



Espacenet

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HYPODERMIC JET INJECTOR

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A system is provided that is useful for a hypodermic jet injection of medication without piercing the skin with a needle. The system includes a spring actuated needleless hypodermic injector device (20) for injecting medication through the skin. The injector device includes an ampule assembly (2') having a chamber for holding liquid medication and an injector for receiving and mounting the ampule assembly. A plunger assembly (202), movable within the ampule chamber is used for drawing liquid medication into the ampule chamber and for ejecting liquid medication out from a chamber. The injector includes a spring actuated piston (230) which provides a force to move the ampule assembly plunger and thereby force liquid medication to leave the chamber at such velocity that it can be hypodermically injected at an injection site.; The system also includes a coupler for use on a medication vial for transferring medication to the ampule assembly.

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